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CAUTION
CHANGES in BUOYAGE
Mariners are advised that authorized aids to navigation are being changed to conform to maritime standards of the International Association of Lighthouse Authorities Maritime Buoyage System, Region B. Significant changes are: black port hand buoys to green; black and white vertically striped buoys to red and white vertically striped buoys; and lateral lights from white to red or green as appropriate. Changes to aids to navigation will be announced in the Defense Mapping Agency Hydrographic/Topographic Center weekly Notice to Mariners and the U.S. Coast Guard Local Notice to Mariners.

SOUNDINGS IN FEET

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NOTE A
Navigation regulations are published in Chapter 2, U.S. Coast Pilot 7. Additions or revisions to Chapter 2 are published in the Notice to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 13th Coast Guard District in Seattle, Wash., or at the Office of the District Engineer, Corps of Engineers in Seattle, Wash.
Refer to charted regulation section numbers.

CAUTION
A flashing red light on South dock, Torpedo Station, and on float opposite Battle Point indicates torpedo firing in progress.

RESTRICTED AREA 334.1240 (see note A)

LOGARITHMIC SPEED SCALE
D. place one point of dividers on distance run on any units and the other on minutes run. Without changing divider spread, place 60 and left point will then indicate speed in units per hour. Example: with 4.0 nautical miles run in 15 minutes, the speed is 16 Knots

PRECAUTIONARY AREA
161.101-161.187 & 165.1301 (see note A)750

SOUTHBOUND PUGET SOUND TRAFFIC LANE SEPARATION ZONE

CAUTION
Only marine radiobeacons have been calibrated for surface use. Limitations on the use of certain other radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light Lists and Defense Mapping Agency Publication 117.
Radio direction-finder bearings to commercial broadcasting stations are subject to error and should be used with caution.
Station positions are shown thus:
(A)Accurate location) o(Approximate location)

NOAA VHF-FM WEATHER BROADCASTS
The National Weather Service station listed below provides continuous marine weather broadcasts. The range of reception is variable. But for most stations is usually 30 to 40 miles from the antenna site.
Seattle, Wash. KHB 60 (162.55 MHz)

RACING BUOYS
Racing buoys within the limits of this chart are not shown hereon. Information may be obtained from the U.S. Coast Guard District Offices as racing and other privately maintained buoys are not all listed in the U.S. Coast Guard Light List.

CAUTION
Temporary changes or defects in aids to navigation are not indicated on this chart. See Notice to Mariners.

CAUTION
Improved channels shown by broken lines are subject to shoaling, particularly at the edges.

POLLUTION REPORTS
Report all spills of oil and hazardous substances to the National Response Center via 800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

TIDAL INFORMATION

Place (Lat/Long)	Height referred to datum of soundings (MLLW) Mean Higher High Water	Mean High Water	Mean Low Water	Extreme Low Water
	feet	feet	feet	feet
Port Blakely (47°38'N/122°30'W)	13.6	10.8	2.8	-4.5
Bremerton (47°33'N/122°37'W)	11.7	10.8	2.8	-4.5
Bremerton (47°33'N/122°38'W)	11.7	10.8	2.8	-4.5
Seattle, Elliott Bay (47°36'N/122°20'W)	11.4	10.5	2.8	-4.5

(1288)

HEIGHTS
Heights in feet above Mean High Water.

AUTHORITIES
Hydrography and topography by the National Ocean Service, Charting and Geodetic Services, with additional data from the Corps of Engineers and U.S. Coast Guard.

SUPPLEMENTAL INFORMATION
Consult U.S. Coast Pilot 7 for important supplemental information.

AIDS TO NAVIGATION
Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

NOAA
NATIONAL OCEAN SERVICE

UNITED STATES - WEST COAST
WASHINGTON

PUGET SOUND
SEATTLE TO BREMERTON

Mercator Projection
Scale 1:25,000 at Lat. 47°35'
North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FEET
AT MEAN LOWER LOW WATER

HORIZONTAL DATUM
The horizontal reference datum of this chart is North American Datum 1983 (NAD 83) and for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 0.647" southward and 4.454" westward to agree with this chart.

RADAR REFLECTORS
Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has not been verified from this chart.

ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1.)
Aids to Navigation (lights are white unless otherwise indicated)

AERO (aeronautical)
Al. (alternating)
B. (black)
Bn. (beacon)
C. (can)
DIA. (diaphone)
E. (ev. equot interval (sec))
F. (fixed)
Fl. (flashing)
G. (green)
Gp. (group)
Ho. (horn)
Iso. (isophase)
LT HO (lighthouse)
M. (nautical mile)
m. (minutes)
MICRO TR (microwave tower)
Mkr. (marker)
O. (orange)
Oc. (occulting)
Or. (orange)
Q. (quick)
R. (red)
Ra Ref. (radar reflector)
Ra Bn. (radiobeacon)
RW (red and white)
Y. (yellow)

Bottom characteristics
Blds. (boulders)
Bk. (broken)
Cy. (clay)
Co. (coarse)
G. (green)
Gy. (gray)
M. (mud)
Oys. (oysters)
S. (sand)
Sh. (shells)
sy. (stony)

Miscellaneous
AUTH. (authorized)
ED. (existence doubtful)
Obstr. (obstruction)
PA. (position approximate)
PD. (position doubtful)
Rep. (reported)
Sunk. (sunken)
(1) Wreck, rock, obstruction, or shoal depth shown is the depth indicated.
(2) Rocks that cover and uncover, with heights in feet above datum of soundings.

POLLUTION REPORTS
Report all spills of oil and hazardous substances to the National Response Center via 800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

COLREGS, 80.1395 (see note A)
International Regulations for Preventing Collisions at Sea, 1972.
The entire area of this chart falls seaward of the COLREGS Demarcation Line.

CAUTION
This chart has been corrected from the Notice to Mariners published weekly by the Defense Mapping Agency Hydrographic/Topographic Center and the Local Notice to Mariners issued periodically by each U.S. Coast Guard district to the date shown in the lower left hand corner.

WARNING
The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

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(CONTINUED ON CHART 18474)

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NOAA nautical charts are constructed to exacting standards and are designed to promote safe navigation. Since our waterways are subject to continual change, the National Ocean Service encourages chart users to submit corrections or comments for the improvement of this product to the Director, Charting and Geodetic Services (N/CG22), National Ocean Service, NOAA, Rockville, Maryland 20852. By working together, we can make our activities safer and more enjoyable.

Thomas J. Maginnis
Assistant Administrator for Ocean Services
and Coastal Zone Management

Nautical Chart Catalog No. 2, Panel G

(Seattle to Bremerton)

SOUNDINGS IN FEET - SCALE 1:75,000

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SOUNDINGS IN FEET

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